

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041762.D
 Acq On : 16 Dec 2024 21:21
 Operator : SY/MD
 Sample : VL1216ABL03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 20 03:23:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

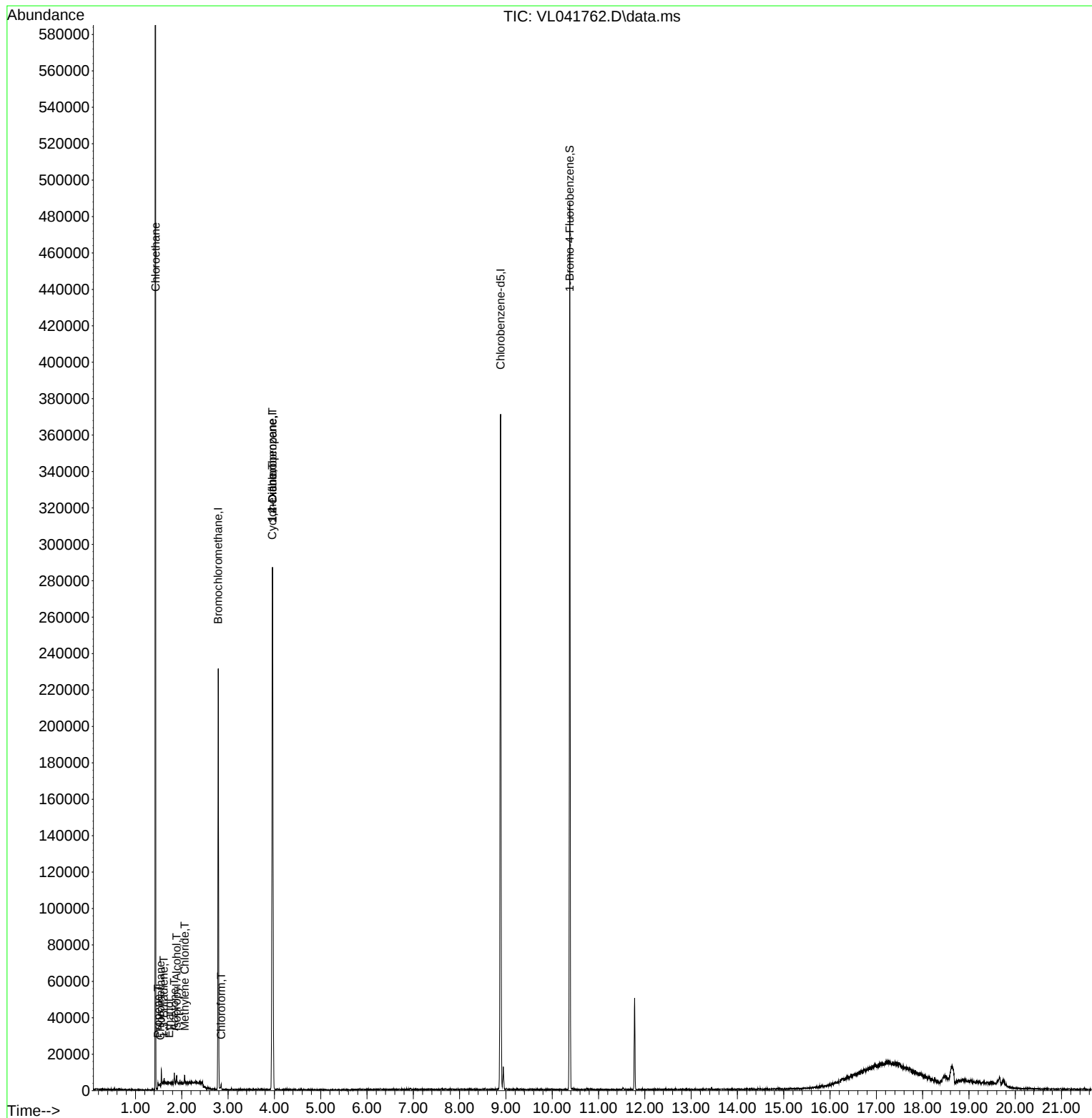
Internal Standards						
1) Bromochloromethane	2.787	49	60368	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	161655	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	142683	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	116315	9.782	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
4) Chloromethane	1.534	50	143	0.034	ppbv #	42
7) Chloroethane	1.434	64	147	0.089	ppbv #	40
9) Propene	1.486	41	584	0.137	ppbv #	79
13) Ethanol	1.725	45	362	1.025	ppbv #	34
15) Acetone	1.835	43	2499	0.213	ppbv	97
16) 1,3-Butadiene	1.609	39	141	0.030	ppbv #	13
19) Isopropyl Alcohol	1.887	45	2256	0.320	ppbv #	73
20) Methylene Chloride	2.062	84	713	0.213	ppbv #	66
29) Chloroform	2.852	83	832	0.066	ppbv	90
30) Cyclohexane	3.955	84	488	0.069	ppbv #	1
39) 1,2-Dichloropropane	3.959	63	43644	7.217	ppbv #	18

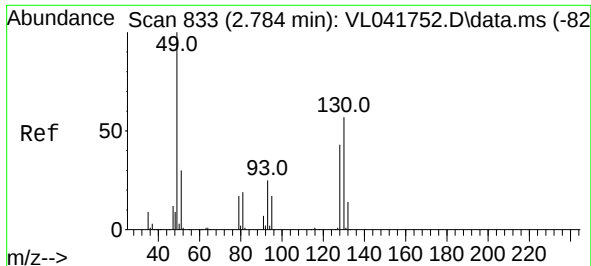
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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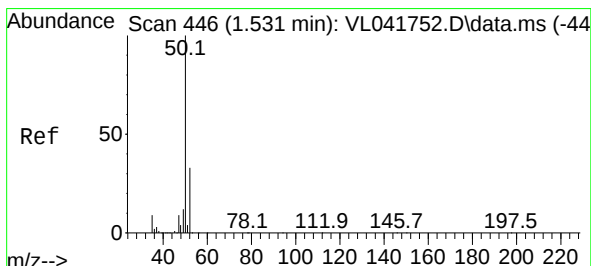
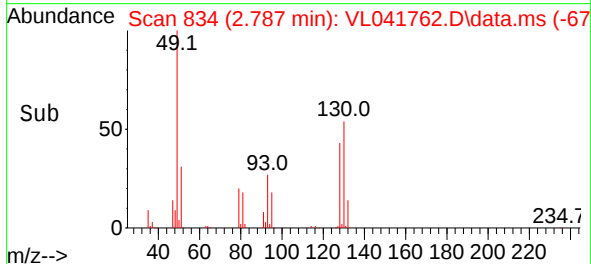
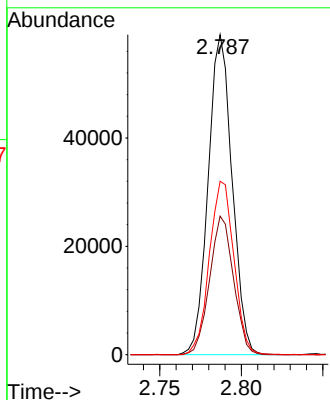
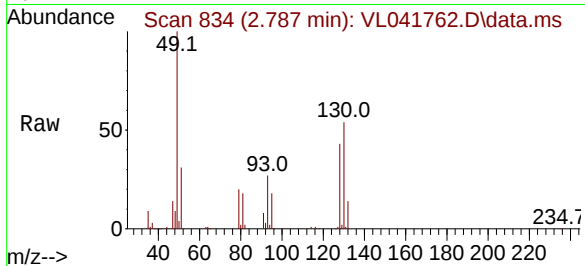




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL041762.D
Acq: 16 Dec 2024 21:21

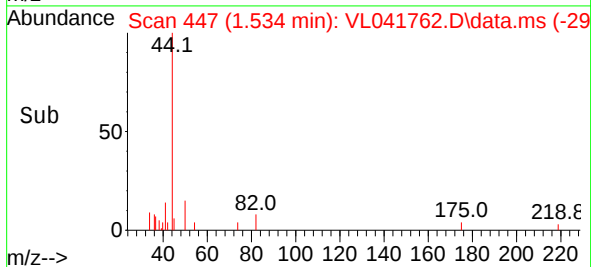
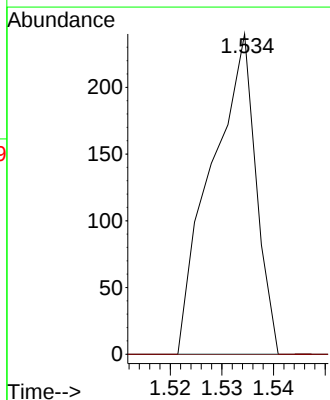
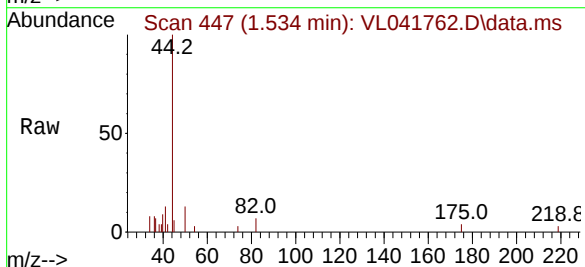
Instrument :
MSVOA_L
ClientSampleId :

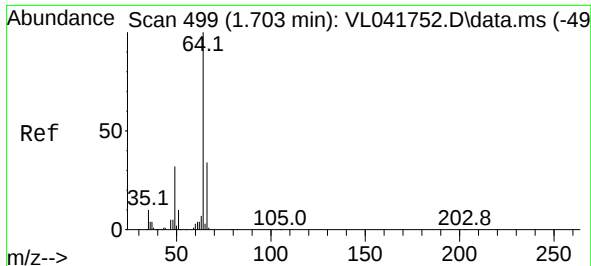
Tgt Ion: 49 Resp: 60368
Ion Ratio Lower Upper
49 100
128 43.2 21.6 64.6
130 55.6 28.3 85.0



#4
Chloromethane
Concen: 0.034 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041762.D
Acq: 16 Dec 2024 21:21

Tgt Ion: 50 Resp: 143
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

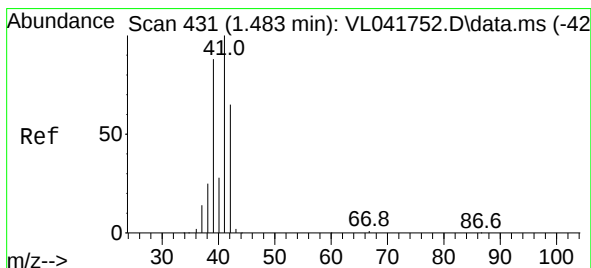
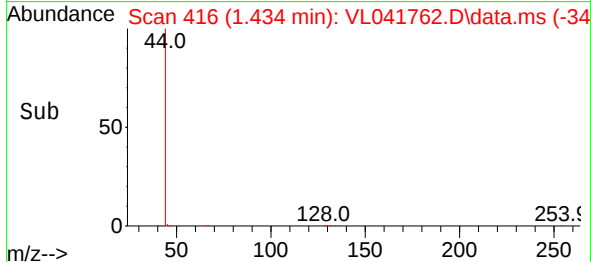
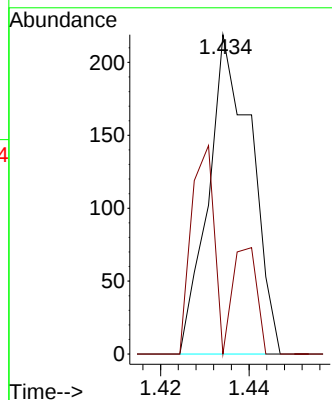
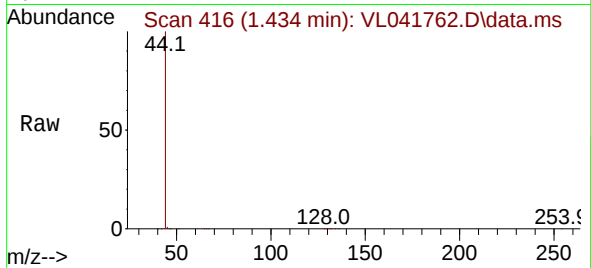




#7
Chloroethane
Concen: 0.089 ppbv
RT: 1.434 min Scan# 416
Delta R.T. -0.269 min
Lab File: VL041762.D
Acq: 16 Dec 2024 21:21

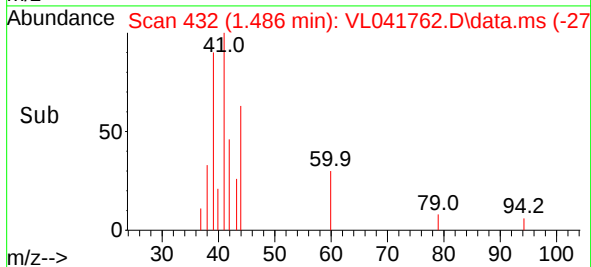
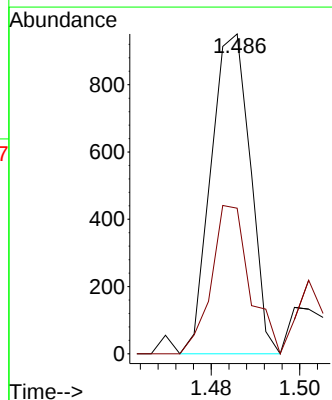
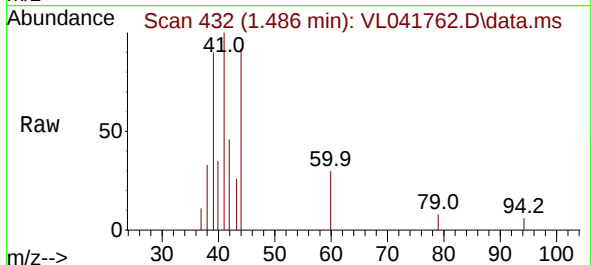
Instrument :
MSVOA_L
ClientSampleId :

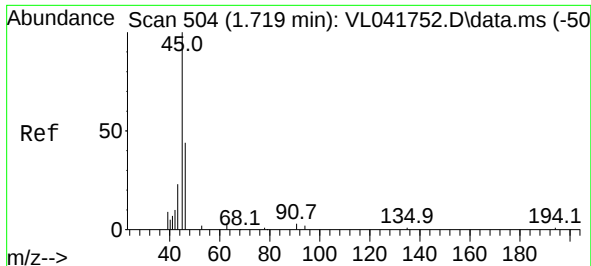
Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 0.0 27.5 41.3#



#9
Propene
Concen: 0.137 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL041762.D
Acq: 16 Dec 2024 21:21

Tgt Ion: 41 Resp: 584
Ion Ratio Lower Upper
41 100
42 48.6 52.4 78.6#





#13

Ethanol

Concen: 1.025 ppbv

RT: 1.725 min Scan# 50

Delta R.T. 0.006 min

Lab File: VL041762.D

Acq: 16 Dec 2024 21:21

Instrument :

MSVOA_L

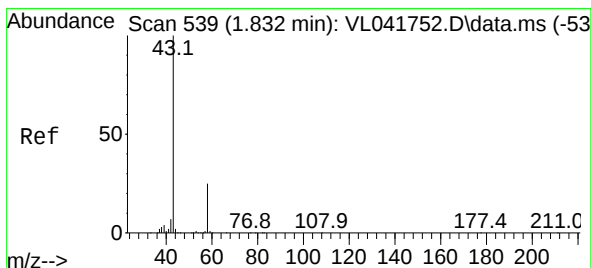
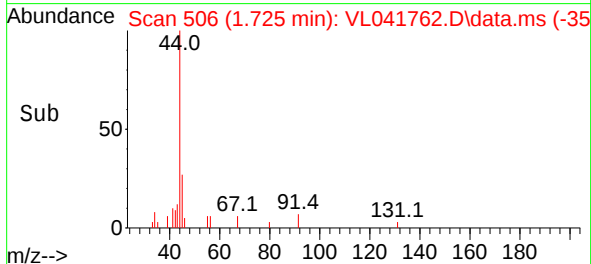
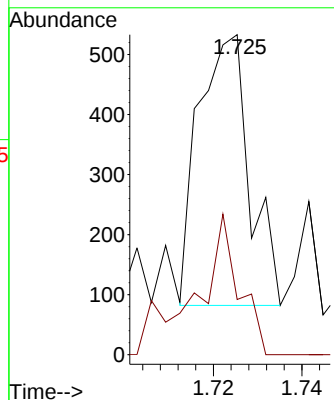
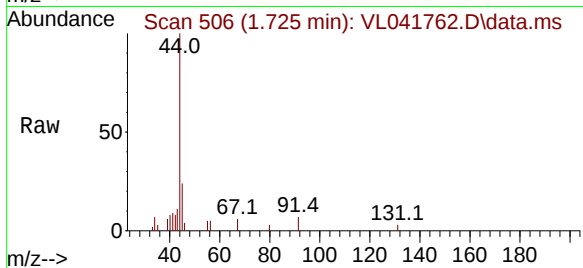
ClientSampleId :

Tgt Ion: 45 Resp: 362

Ion Ratio Lower Upper

45 100

46 0.0 16.4 65.8#



#15

Acetone

Concen: 0.213 ppbv

RT: 1.835 min Scan# 540

Delta R.T. 0.003 min

Lab File: VL041762.D

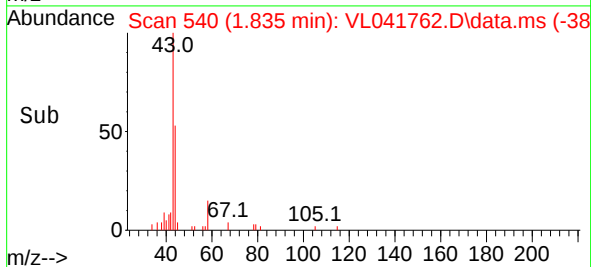
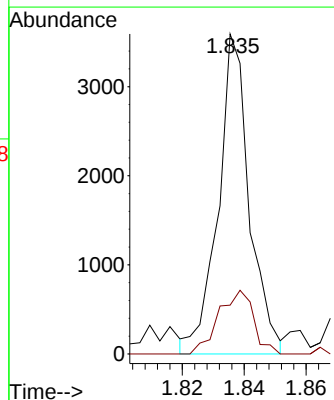
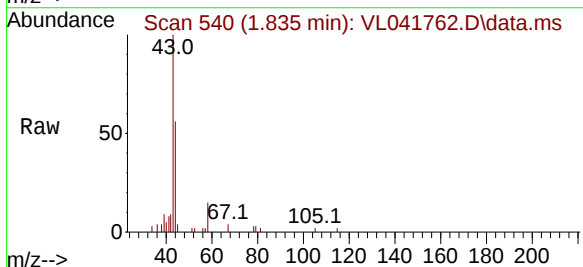
Acq: 16 Dec 2024 21:21

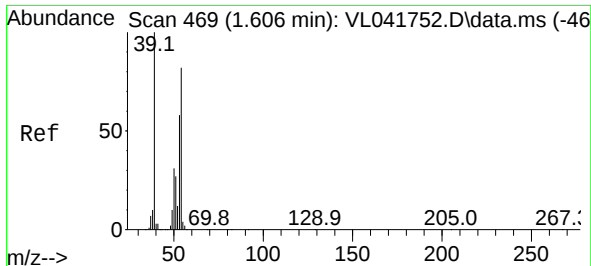
Tgt Ion: 43 Resp: 2499

Ion Ratio Lower Upper

43 100

58 22.9 19.7 29.5





#16

1,3-Butadiene

Concen: 0.030 ppbv

RT: 1.609 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041762.D

Acq: 16 Dec 2024 21:21

Instrument :

MSVOA_L

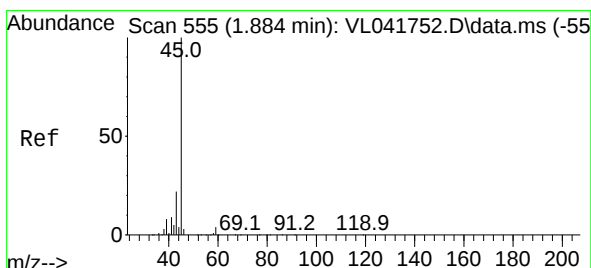
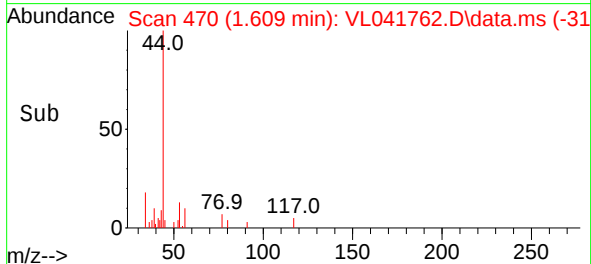
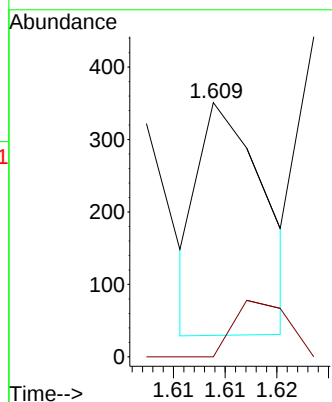
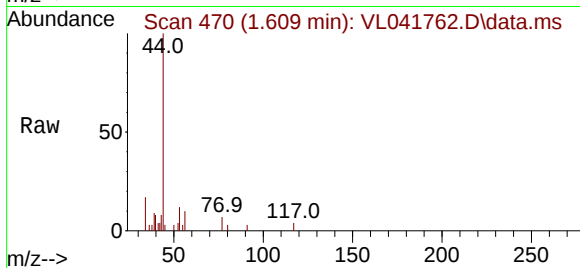
ClientSampleId :

Tgt Ion: 39 Resp: 141

Ion Ratio Lower Upper

39 100

54 0.0 58.4 87.6#



#19

Isopropyl Alcohol

Concen: 0.320 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL041762.D

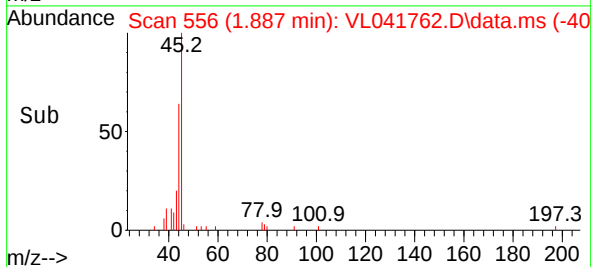
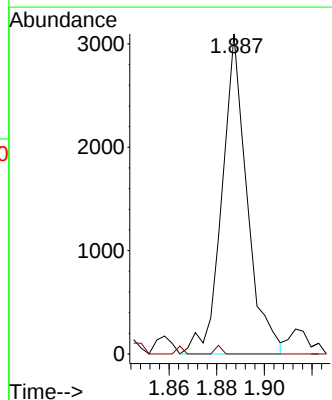
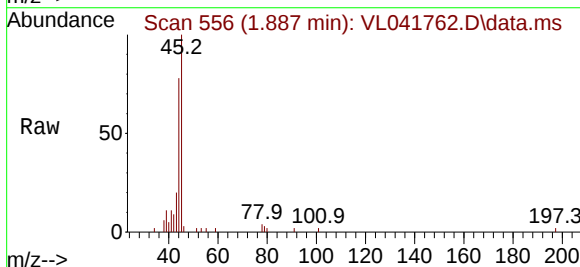
Acq: 16 Dec 2024 21:21

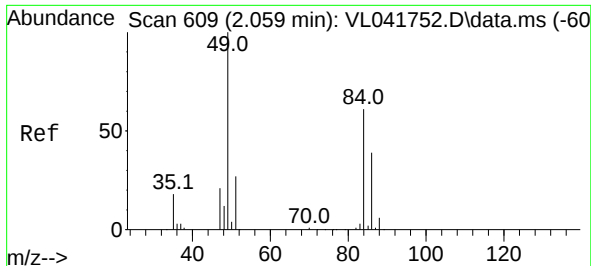
Tgt Ion: 45 Resp: 2256

Ion Ratio Lower Upper

45 100

58 24.7 33.3 49.9#





#20

Methylene Chloride

Concen: 0.213 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

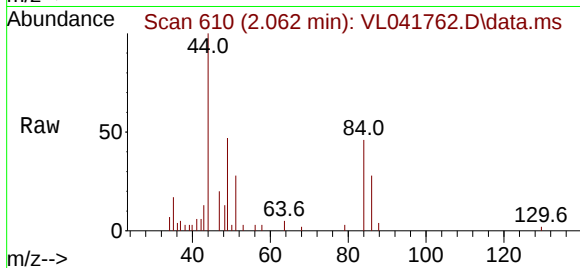
Lab File: VL041762.D

Acq: 16 Dec 2024 21:21

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 84 Resp: 713

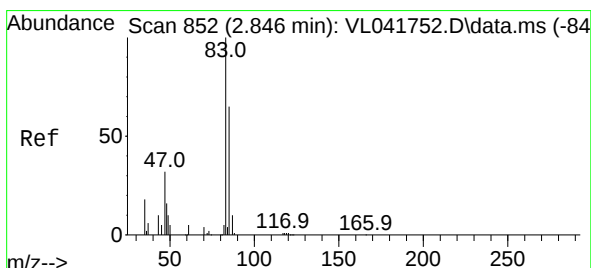
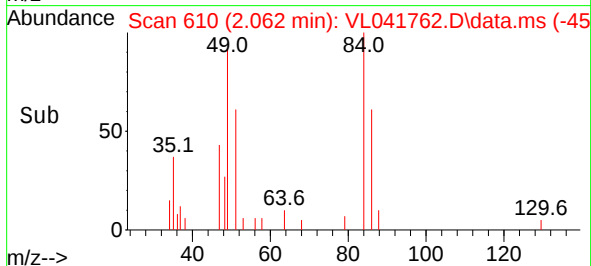
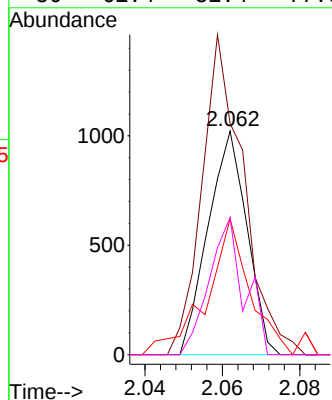
Ion Ratio Lower Upper

84 100

49 94.4 132.6 198.8#

51 53.7 37.6 56.4

86 61.4 51.4 77.0



#29

Chloroform

Concen: 0.066 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL041762.D

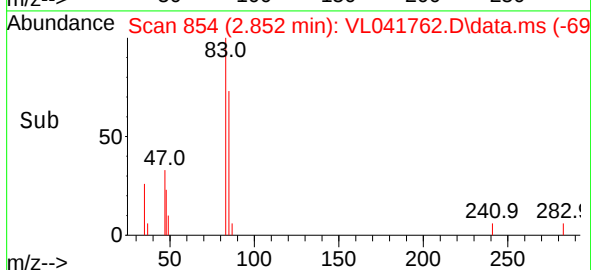
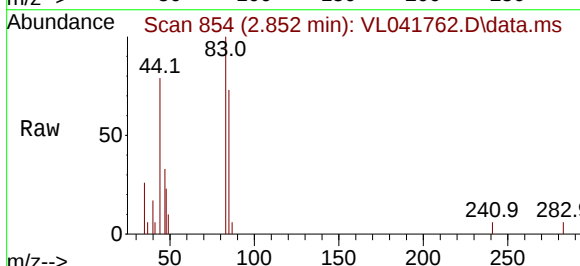
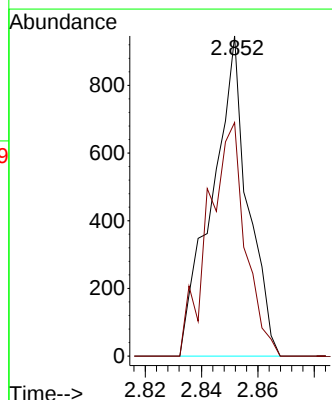
Acq: 16 Dec 2024 21:21

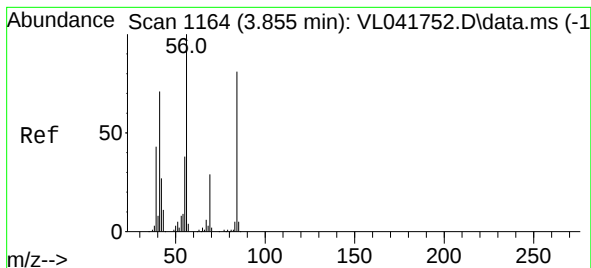
Tgt Ion: 83 Resp: 832

Ion Ratio Lower Upper

83 100

85 72.9 51.8 77.6





#30

Cyclohexane

Concen: 0.069 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.100 min

Lab File: VL041762.D

Acq: 16 Dec 2024 21:21

Instrument :

MSVOA_L

ClientSampleId :

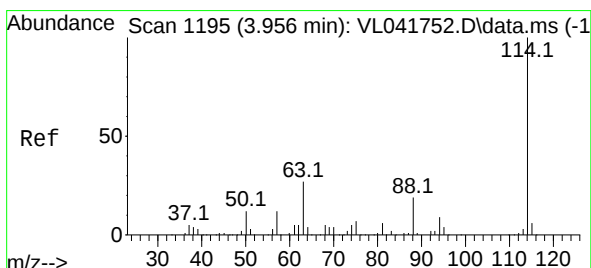
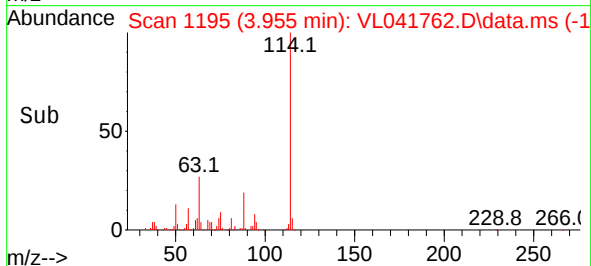
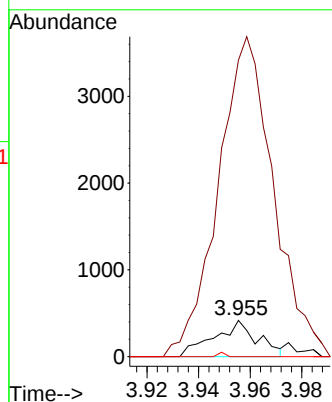
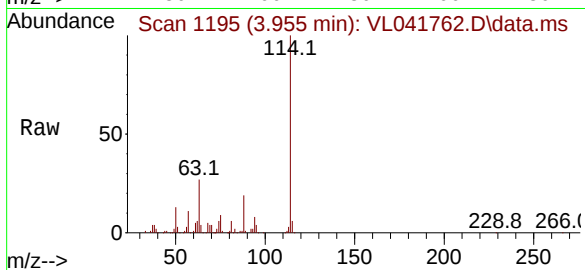
Tgt Ion: 84 Resp: 488

Ion Ratio Lower Upper

84 100

56 1124.2 102.3 153.5#

41 7.8 74.0 111.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL041762.D

Acq: 16 Dec 2024 21:21

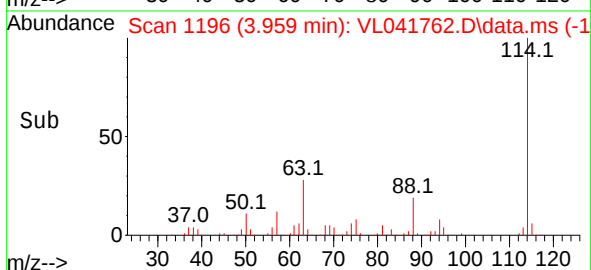
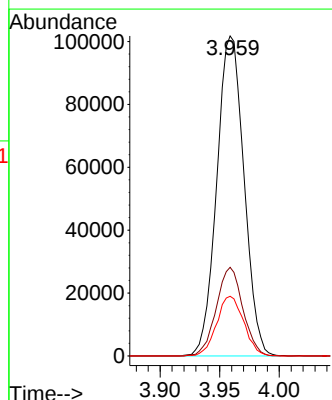
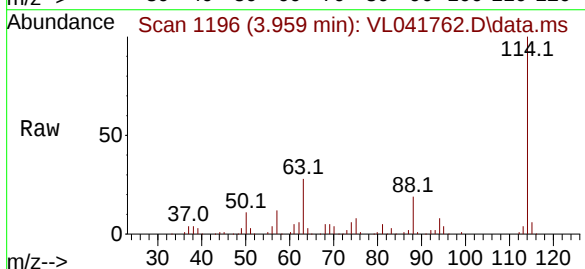
Tgt Ion: 114 Resp: 161655

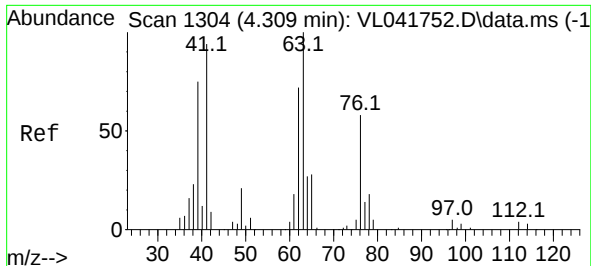
Ion Ratio Lower Upper

114 100

63 27.0 21.8 32.8

88 18.6 14.8 22.2





#39

1,2-Dichloropropane

Concen: 7.217 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.350 min

Lab File: VL041762.D

Acq: 16 Dec 2024 21:21

Instrument :

MSVOA_L

ClientSampleId :

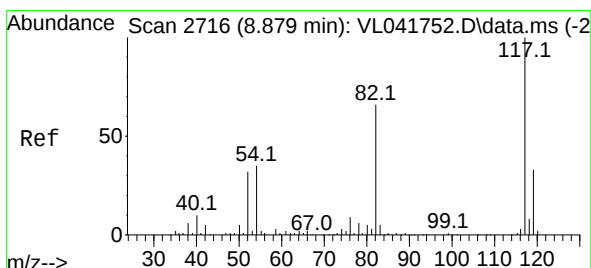
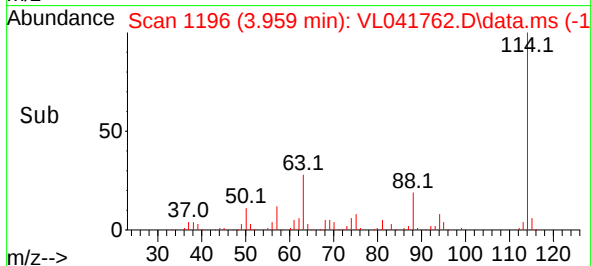
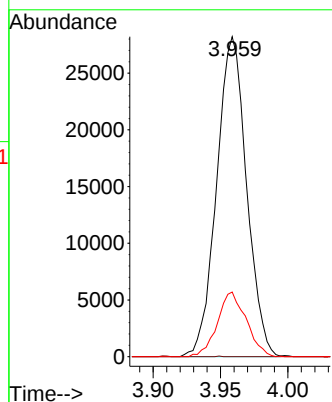
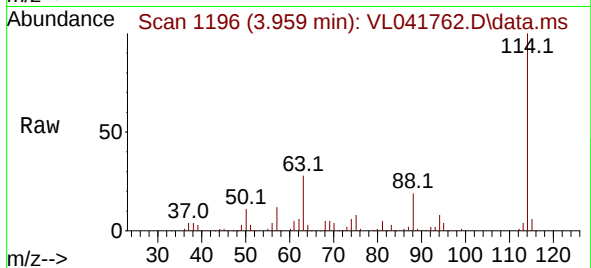
Tgt Ion: 63 Resp: 43644

Ion Ratio Lower Upper

63 100

41 0.0 75.3 112.9#

62 20.2 57.3 85.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. 0.006 min

Lab File: VL041762.D

Acq: 16 Dec 2024 21:21

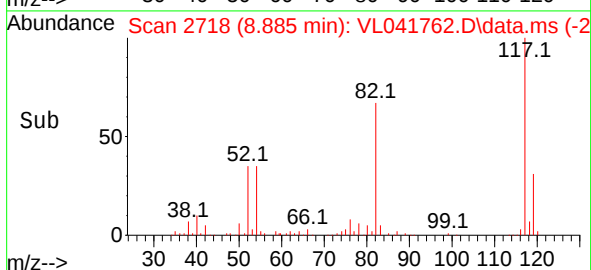
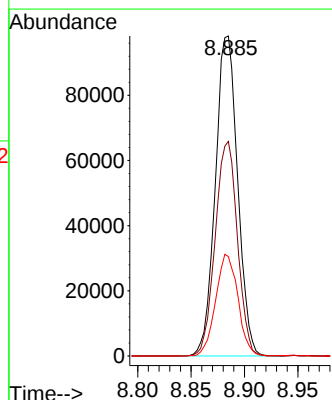
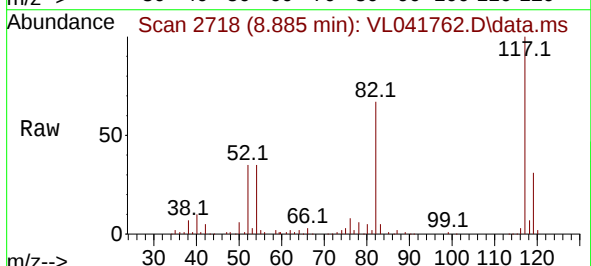
Tgt Ion: 117 Resp: 142683

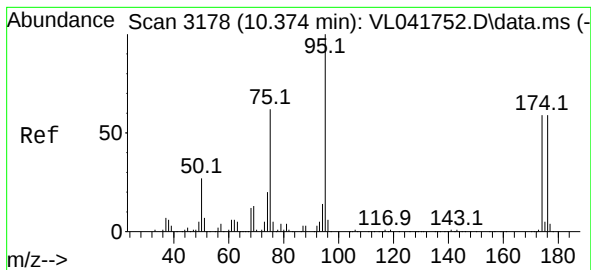
Ion Ratio Lower Upper

117 100

82 66.8 53.8 80.8

119 31.8 26.7 40.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.782 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.003 min
 Lab File: VL041762.D
 Acq: 16 Dec 2024 21:21

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 95 Resp: 116315
 Ion Ratio Lower Upper
 95 100
 174 59.6 47.6 71.4
 175 4.7 3.7 5.5

